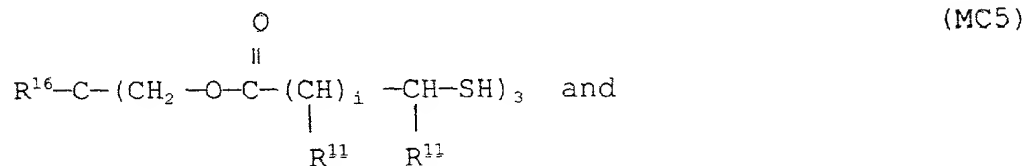
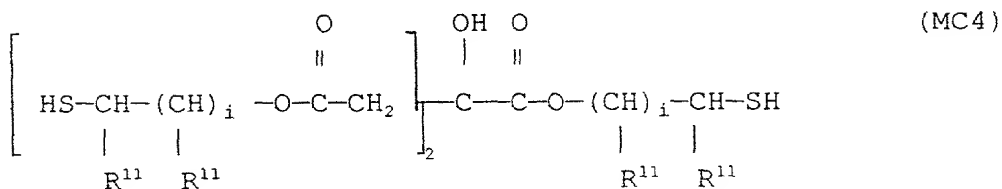
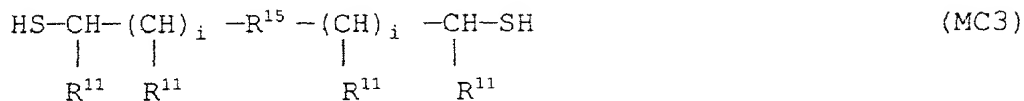
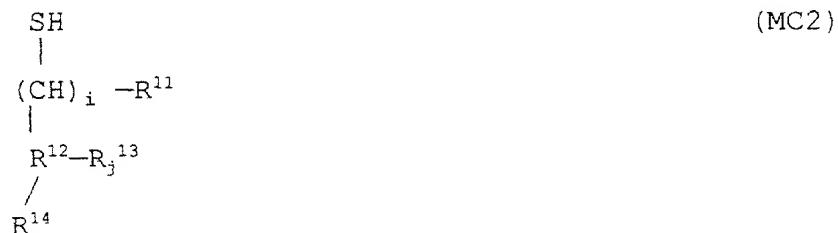
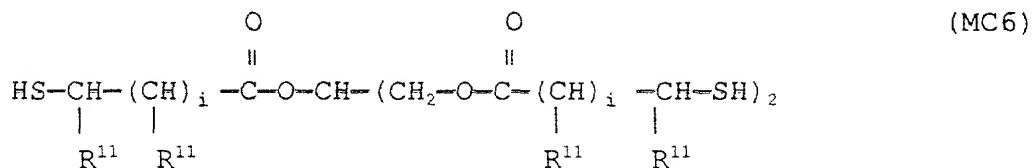
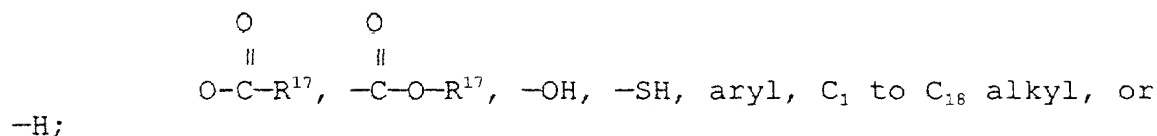


Mercaptan-containing organic compounds which include R<sup>1</sup> have structures illustrated by the following formulas:





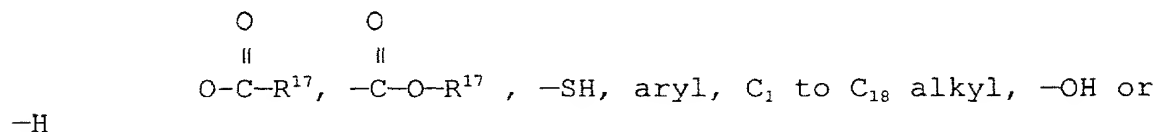
wherein  $\text{R}^{10}$  and  $\text{R}^{19}$  are the same or different and are



$\text{R}^{11}$  is  $-\text{H}$ , aryl, or  $\text{C}_1$  to  $\text{C}_{18}$  alkyl;

$\text{R}^{12}$  is cycloalkyl, cycloalkenyl or phenyl;

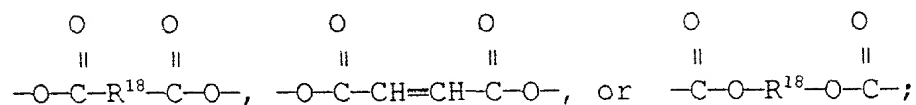
$\text{R}^{13}$  is



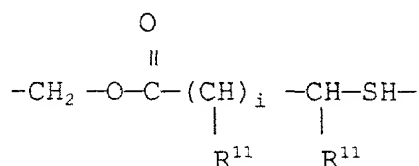
with the proviso that in formula (MC2) when  $\text{R}^{12}$  is phenyl,  $\text{R}^{13}$  is  $-\text{OH}$  and  $i=0$ , then the  $-\text{SH}$  groups are on non-adjacent carbon atoms;

$\text{R}^{14}$  is  $-\text{H}$  or a divalent group which may contain halogen, hydroxy, mercapto or alkyl substituents and which when  $\text{R}^{12}$  is phenyl combines with the phenyl to form a naphthalene ring;

$\text{R}^{15}$  is

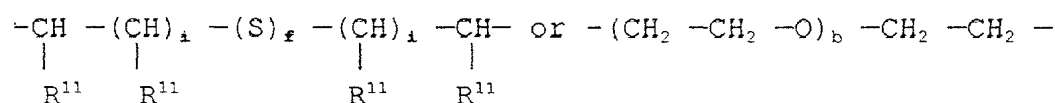


R<sup>16</sup> is -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, or



R<sup>17</sup> is -H, or alkyl, alkenyl, aryl, aralkyl, alkaryl, cycloalkyl, cycloalkylenyl;

R<sup>18</sup> is arylene, C<sub>1</sub> to C<sub>8</sub> alkylene, or



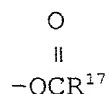
wherein b is an integer from 1 to 6;

i=0 or an integer from 1 to 6 inclusive;

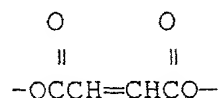
j=0, 1, 2 or 3; and

f=1 or 2.

Mercaptan-containing organic compounds preferred as intermediates in the preparation of the latent mercaptans of this invention are those compounds according to formula (MC1) where R<sup>11</sup> is -H, R<sup>19</sup> is -H, R<sup>10</sup> is OH or



and i=1; those compounds according to formula (MC2) where R<sup>12</sup> is phenyl, R<sup>11</sup> is -H, R<sup>13</sup> is -H, R<sup>14</sup> is -H, i=1, and j=1; those compounds according to formula (MC3) where R<sup>11</sup> is -H, R<sup>15</sup> is



and i=1; those compounds according to formula (MC4) where R<sup>11</sup> is -H and i=1; those compounds according to formula (MC5) where R<sup>16</sup> is -C<sub>2</sub>H<sub>5</sub> or